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(54) Title: BIOLOGICAL ASSAY

(57) Abstract: The invention is a method for determining an in vivo cardiac electrophysiology profile of a compound affecting one or more cardiac ion channels which comprises administering the compound to a rat, and simultaneously measuring one or more periods selected from the group consisting of an atrial refractory period, a ventricular refractory period, and an AV nodal refractory period, and one or more intervals selected from an electrocardiogram interval and a cardiac electrogram conduction interval.

